

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	14	"6382254"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 16:32
S2	0	("10659570").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/16 16:32
S3	1	("6382254").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/16 16:35
S6	2098620	valve or microvalve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 16:36
S7	4	S5 near5 S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 16:37
S8	6	("6382254").URPN.	USPAT	OR	ON	2007/05/16 16:37
S9	10	("3563258"   "3592207"   "3787187"   "4049491"   "4546784"   "4921902"   "5171132"   "5272724"   "6068751"   "6160036").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 16:40
S10	359	thermally adj responsive adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 16:40
S11	127899	pcr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 16:40
S12	0	S10 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 16:40

## EAST Search History

S13	35	microfluid\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 16:41
S14	0	S10 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 16:41
S15	0	S5 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 16:41
S4	6	("6156389" "6261431" "6475722").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 16:46
S16	1	("6168948").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/16 16:46
S17	1	("6130098").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/16 16:46
S18	2	jp-2003163022-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 16:58
S19	26812	"sol-gel"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 16:59
S20	12842	microchannel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 16:59

## EAST Search History

S21	46	S19 same S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 17:02
S22	0	jp-2003\$-163\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 17:03
S23	1995	jp-2003163\$-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 17:03
S24	0	S19 and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 17:03
S25	0	S23 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 17:03
S26	2098178	valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 17:04
S27	21	S23 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 17:05
S28	95	S19 same S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 17:07

## EAST Search History

S29	2	jp-2002163022-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 17:09
S30	1	("7204263").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/16 17:09
S31	5	("5571410"   "5985119"   "6103199"   "6499499"   "6623860").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 17:09
S32	75	rauch-c\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 17:11
S33	4	lenigk-\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 17:13
S34	1	("20040235154").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/16 17:13
S35	471	435/288.5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 19:05
S36	10	("3563258"   "3592207"   "3787187"   "4049491"   "4546784"   "4921902"   "5171132"   "5272724"   "6068751"   "6160036").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 07:43
S37	6	("6382254").URPN.	USPAT	OR	ON	2007/05/17 07:44
S5	72474	methyl adj cellulose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/17 07:48
S38	72565	methyl adj cellulose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/17 07:49

## EAST Search History

S39	26864	pluronic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/17 07:50
S40	655	S38 same S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/17 07:50
S41	1	S40 same valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/17 08:44
S42	262	pcr same microchannel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/17 09:06
S43	18	("20020106787" "20020142471" "20020142482" "20020143437" "20030019522" "6130098" "6180062" "6235471").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/17 09:06
S44	2253	microvalve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 18:39
S45	1238	micro adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 18:40
S46	687346	gel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 18:40

## EAST Search History

S47	3194	S44 or S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 18:40
S48	10	S47 near3 S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 18:40
S49	23	("4676274"   "4949742"   "5311896"   "5354538"   "5480614"   "5543838"   "5571410"   "5605662"   "5645702"   "5653859"   "5653939"   "5658413"   "5681751"   "5746901"   "5755942"   "5770029"   "5885475"   "5929214"   "5944754"   "5958344"   "5988197"   "6048734"   "6171610").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/15 18:44
S50	27	("4439526"   "4457329"   "4522786"   "4599315"   "4683195"   "4683202"   "4919892"   "4963498"   "4967950"   "5048554"   "5091328"   "5160945"   "5192507"   "5223226"   "5252743"   "5275787"   "5304487"   "5364591"   "5416000"   "5474796"   "5494639"   "5498392"   "5533412"   "5585069"   "5587128"   "5651839"   "5700637"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/15 18:44
S51	34	pcr same S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 19:09
S52	1	("6156389").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/15 19:09
S53	1	("6261431").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/15 19:10
S54	1	("6475722").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/15 19:10
S55	157422	pcr or (thermal adj (cycle or cycling or cycler))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 19:11

## EAST Search History

S56	492	435/288.5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 19:11
S57	191	S55 and S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 19:11
S58	31	S47 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 19:11
S60	9	((DAE-SUNG) near2 (YOON)).INV.	US-PGPUB; USPAT	OR	ON	2007/09/15 20:33
S61	17	((YOUNG-SUN) near2 (LEE)).INV.	US-PGPUB; USPAT	OR	ON	2007/09/15 20:33
S62	12	((SUN-HEE) near2 (KIM)).INV.	US-PGPUB; USPAT	OR	ON	2007/09/15 20:33
S63	28	((GEUN-BAE) near2 (LIM)).INV.	US-PGPUB; USPAT	OR	ON	2007/09/15 20:33
S64	11	((YOUNG-A) near2 (KIM)).INV.	US-PGPUB; USPAT	OR	ON	2007/09/15 20:33
S65	19	((JUNG-IM) near2 (HAN)).INV.	US-PGPUB; USPAT	OR	ON	2007/09/15 20:33
S59	24	((KWANG-WOOK) near2 (OH)).INV.	US-PGPUB; USPAT	OR	ON	2007/09/15 20:34
S66	73	S59 or S60 or S61 or S62 or S63 or S64 or S65	US-PGPUB; USPAT	OR	ON	2007/09/15 20:59
S68	5	((DAE-SUNG) near2 (YOON)).INV.	EPO; JPO; DERWENT	OR	ON	2007/09/15 21:01
S69	14	((YOUNG-SUN) near2 (LEE)).INV.	EPO; JPO; DERWENT	OR	ON	2007/09/15 21:01
S70	5	((SUN-HEE) near2 (KIM)).INV.	EPO; JPO; DERWENT	OR	ON	2007/09/15 21:02
S71	23	((GEUN-BAE) near2 (LIM)).INV.	EPO; JPO; DERWENT	OR	ON	2007/09/15 21:02
S72	10	((YOUNG-A) near2 (KIM)).INV.	EPO; JPO; DERWENT	OR	ON	2007/09/15 21:02
S73	12	((JUNG-IM) near2 (HAN)).INV.	EPO; JPO; DERWENT	OR	ON	2007/09/15 21:02

## EAST Search History

S67	18	((KWANG-WOOK) near2 (OH)).INV.	EPO; JPO; DERWENT	OR	ON	2007/09/15 21:03
S74	56	S67 or S68 or S69 or S70 or S71 or S72 or S73	EPO; JPO; DERWENT	OR	ON	2007/09/15 21:03
S75	5738	435/288.5,287.2.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 21:05
S76	3776	422/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 21:05
S77	1064	reversible adj gel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 21:06
S78	9287	S75 or S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 21:06
S79	5	S77 and S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 21:06
S80	86	("6043080").URPN.	USPAT	OR	ON	2007/09/15 21:22



## EAST Search History

S81	155	("1616419"   "1773401"   "3528449"   "4139005"   "4612959"   "4654127"   "4673657"   "4946562"   "4949742"   "4963498"   "4989626"   "5001417"   "5004583"   "5053199"   "5061336"   "5064618"   "5071531"   "5126002"   "5126022"   "5135627"   "5135872"   "5147606"   "5208163"   "5250263"   "5282950"   "5296375"   "5304477"   "5304487"   "5316727"   "5339486"   "5372946"   "5374395"   "5411708"   "5427946"   "5486335"   "5498392"   "5503803"   "5519635"   "5559432"   "5565171"   "5569364"   "5580523"   "5585069"   "5585089"   "5587128"   "5589136"   "5593838"   "5599432"   "5599503"   "5603351"   "5605662"   "5628890"   "5631337"   "5632876"   "5632957"   "5635358"   "5637469"   "5639423"   "5643738"   "5646039"   "5652149"   "5674742"   "5681484"   "5681529"   "5683657"   "5699157"   "5726026"   "5731212"   "5747666"   "5750015"   "5755942"   "5763262"   "5770029"   "5772966"   "5779868"   "5787032"   "5788814"   "5800690"   "5827481"   "5842106"   "5842787"   "5846396"   "5849486"   "5849489"   "5849598"   "5852495"   "5856174"   "5858188"   "5863502"   "5863708"   "5863801"   "5866345"   "5869004"   "5872010"   "5874046"   "5876675"   "5880071"   "5882465"   "5883211"   "5885432"   "5885470"   "5895762"   "5900130"   "5912124"   "5912134"   "5916522"   "5916776"   "5919711"   "5922591"   "5927547"   "5928880"   "5929208"   "5932799"   "5935401"   "5939291"   "5942443"   "5948227"   "5955028"   "5955029"   "5957579"   "5958203"   "5958694"   "5959291"   "5964995"   "5964997").PN. OR ("5965001"   "5965410"   "5965886"   "5972187"   "5976336"   "5980704"   "5980719"   "5989402"   "5992820"   "5993611"   "5993750"   "5997708"   "6001231"   "6001307"   "6004515"   "6007690"   "6012902"   "6043080"   "6046056"   "6048734"   "6054034"   "6056860"   "6057149"   "6130098"   "6168948"   "6287254"   "6306273"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/15 21:27
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## EAST Search History

S82	17	("4518701"   "4591638"   "4621048"   "4824776"   "5015350"   "5223338"   "5244714"   "5246867"   "5259939"   "5264101"   "5391274"   "5397852"   "5545302"   "5611903"   "5627078"   "5766435"   "6042710").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/15 21:27
S83	13584	microchannel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 21:29
S84	133708	pcr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 21:30
S85	11	S83 same S84 same S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 21:30
S86	21	("4327180"   "4582629"   "4674325"   "4865748"   "4866231"   "4891239"   "5073167"   "5191182"   "5252294"   "5304487"   "5306887"   "5403730"   "5521360"   "5635143"   "5639423"   "5690614"   "5720927"   "5782897"   "5922591"   "6043080"   "6074827").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/15 21:31
S87	1	(US-5304487-\$.did.	USPAT	OR	ON	2007/09/15 21:33
S88	0	S47 and S87	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 21:33
S89	1	valve and S87	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/15 21:33
S90	377	("5304487").URPN.	USPAT	OR	ON	2007/09/15 21:35

## EAST Search History

S91	133714	pcr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/16 13:07
S92	2253	microvalve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/16 13:07
S93	20	S91 same S92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/16 13:07
S94	209	swedberg-\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/16 13:25
S95	133714	pcr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/16 13:25
S97	7	S95 and S96	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/16 13:31
S96	7	S94 and S95	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/16 13:49
S99	2	S96 and microvalve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/16 13:49

## EAST Search History

S98	5	S96 and (valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/16 13:50
S10 0	283	pcr same microchannel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/16 14:27
S10 1	2129679	valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/16 14:27
S10 2	41	S100 same S101	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/16 14:27